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NATIONAL COMMUNICABLE DISEASE CENTER

Morbidity and Mortality

Vol. 16, No. 6

WEEKLY REPORT

Week Ending February 11, 1967

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

PUBLIC HEALTH SERVICE

BUREAU OF DISEASE PREVENTION AND ENVIRONMENTAL CONTROL

CURRENT TRENDS
MEASLES – 1967

The pattern of a gradually increasing incidence of measles cases observed during the first 5 weeks of 1967 is continuing (Figure 1). For the 6th week (ending February 11), 2,406 cases were reported. This total is 201 cases more than for the previous week, but is 4,613 cases less than for the comparable week of 1966.

Five states reported more than 100 cases for the current week: Arkansas – 512; California – 149; Tennessee – 132; Texas – 457; and Washington – 251. A large percentage of the total number of cases reported from Arkansas for the sixth week represents delayed reports from the last week of January and the first week of February.

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The cumulative number of cases for the first 6 weeks of 1967 is 10,326. During the same 6-week period in 1966, cases totaled 33,022, and for the previous 3 years the respective totals were 42,629, 38,191, and 51,041. Thus, the current year's total is approximately one quarter of the mean number of cases for the comparable 6-week period of the previous 4 years.

(Reported by the Childhood Viral Diseases Unit, Epidemiology Program, CDC.)

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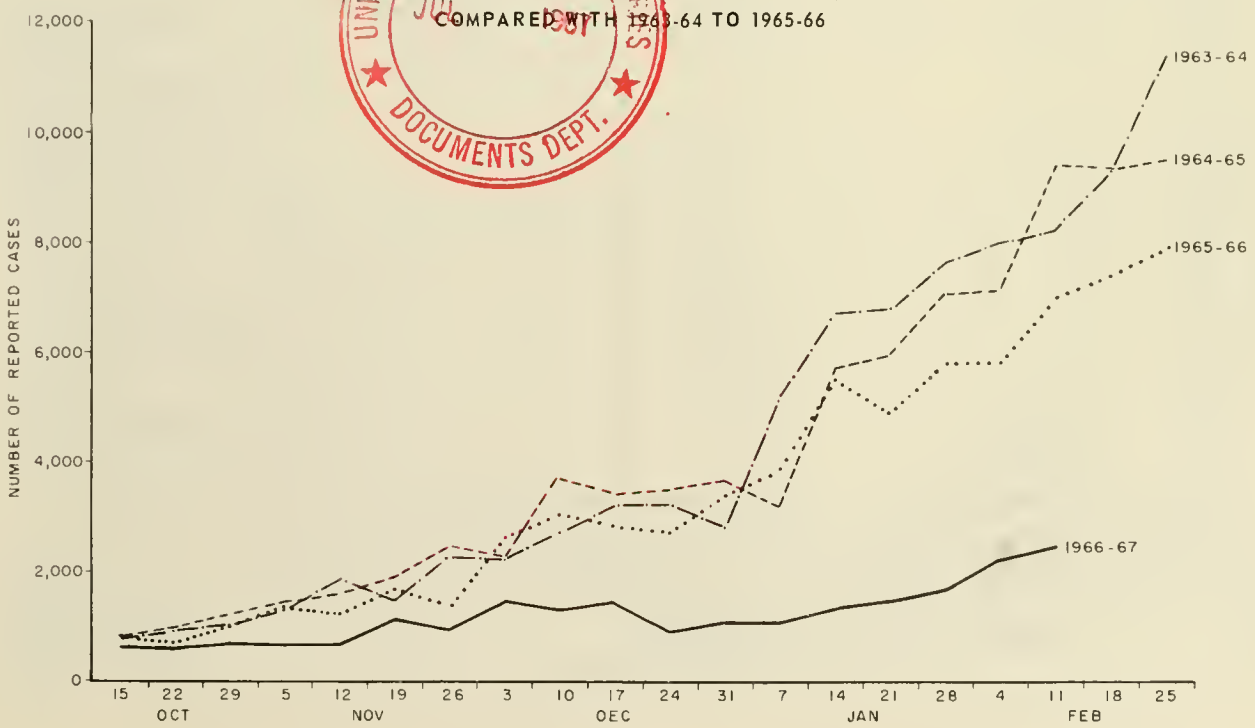
Figure 1

REPORTED MEASLES IN THE UNITED STATES, 1966-67
COMPARED WITH 1963-64 TO 1965-66



EPIDEMIOLOGIC NOTES AND REPORTS

HEPATITIS ON ZUNI INDIAN RESERVATION

New Mexico

Between August 1 and November 20, 1966, 51 cases of hepatitis are known to have occurred among Indians living on or near the Zuni Indian Reservation in northwestern New Mexico. No cases had been reported during the first 7 months of 1966. All of the patients had typical icteric illnesses characterized by fever, nausea, malaise, abdominal pain, and hepatomegaly. These illnesses were generally mild and there were no deaths. Liver function tests performed on 46 of the patients showed abnormalities consistent with viral hepatitis.

Of the 51 patients, 48 were Zuni Indians and 3 were Navaho Indians living in the Ramah-Navaho Area southeast of the Zuni Reservation. Only one of the latter three patients had either visited Zuni or had had known contact with persons from Zuni.

The age and sex distribution of the 51 cases is shown in Table 1. Forty-five of the 51 patients were less than 10 years old, and of these, 42 were clustered between 2 and 7 years of age. Twenty of the patients were males and 31 were females.

The epidemic curve by week of onset shows an initial small cluster in mid-August, followed by a single wave with the peak number of cases having onsets during the week ending October 16 (Figure 2). There was no significant geographic aggregation of cases. Thirty-four percent of the patients had had definite contact with a prior case of hepatitis 2 weeks to 2 months prior to their onsets.

Table 1

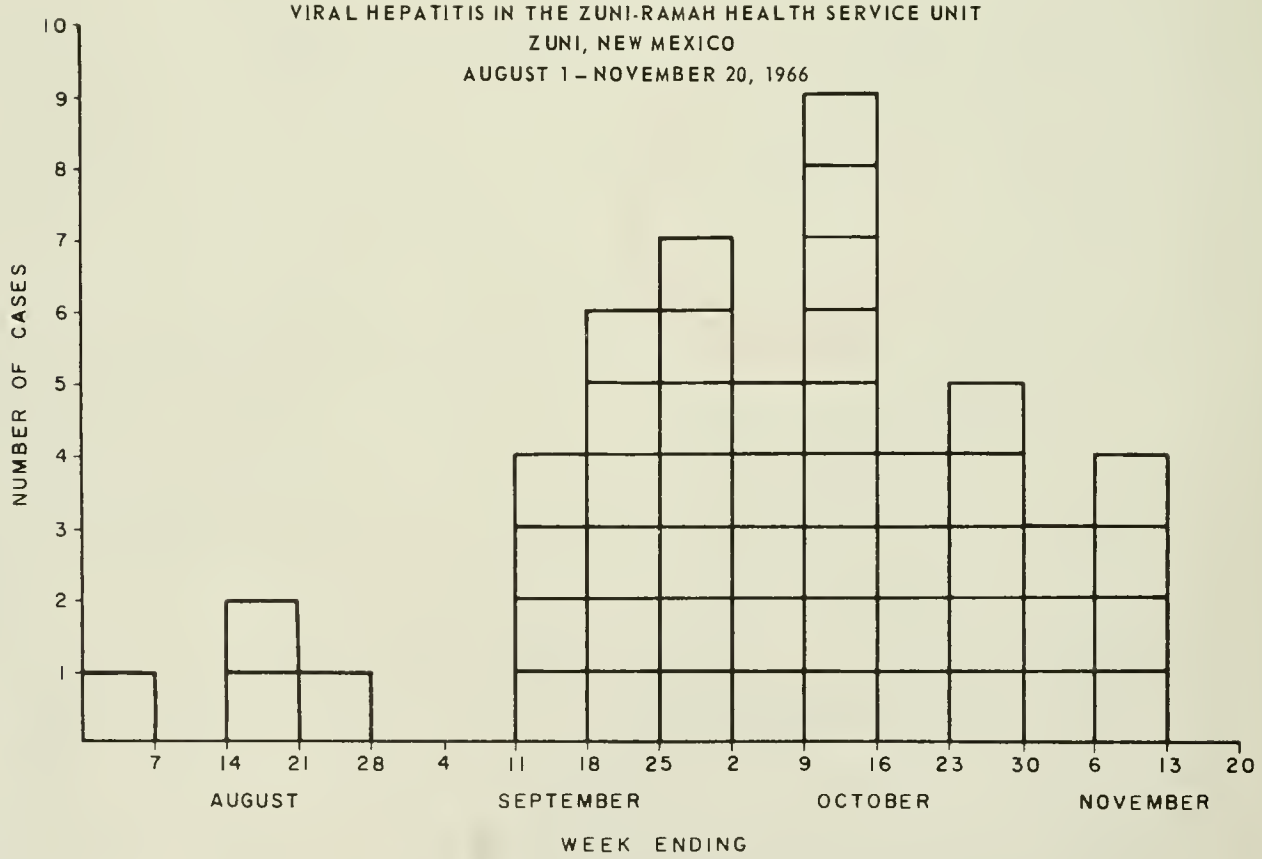
Age and Sex Distribution of 51 Cases of Viral Hepatitis Zuni-Ramah Health Service Unit, Zuni, New Mexico

Age	Males	Females	Total
0 – 4	8	14	22
5 – 9	9	14	23
10 – 14	1	1	2
15 – 19	0	1	1
20 – 29	0	0	0
30 – 39	1	1	2
40 – 49	1	0	1
50+	0	0	0
Total	20	31	51

(Continued on page 52)

Figure 2

VIRAL HEPATITIS IN THE ZUNI-RAMAH HEALTH SERVICE UNIT
ZUNI, NEW MEXICO
AUGUST 1 – NOVEMBER 20, 1966



SUMMARY OF REPORTED CASES OF INFECTIOUS SYPHILIS JANUARY 1967 AND JANUARY 1966

CASES OF PRIMARY AND SECONDARY SYPHILIS: BY REPORTING AREAS JANUARY 1967 AND JANUARY 1966 - PROVISIONAL DATA

Reporting Area	January		Cumulative January	
	1967	1966	1967	1966
NEW ENGLAND	33	48	33	48
Maine	-	-	-	-
New Hampshire	1	-	1	-
Vermont	2	-	2	-
Massachusetts	19	32	19	32
Rhode Island	2	3	2	3
Connecticut	9	13	9	13
MIDDLE ATLANTIC	326	343	326	343
Upstate New York	22	35	22	35
New York City	181	205	181	205
Pa. (Excl. Phila.)	40	27	40	27
Philadelphia	20	20	20	20
New Jersey	63	56	63	56
EAST NORTH CENTRAL	246	241	246	241
Ohio	50	48	50	48
Indiana	5	6	5	6
Downstate Illinois	12	21	12	21
Chicago	76	76	76	76
Michigan	99	77	99	77
Wisconsin	4	13	4	13
WEST NORTH CENTRAL	26	53	26	53
Minnesota	2	2	2	2
Iowa	3	6	3	6
Missouri	8	31	8	31
North Dakota	-	1	-	1
South Dakota	5	2	5	2
Nebraska	3	6	3	6
Kansas	5	5	5	5
SOUTH ATLANTIC	505	516	505	516
Delaware	4	3	4	3
Maryland	66	35	66	35
District of Columbia	47	46	47	46
Virginia	24	18	24	18
West Virginia	2	9	2	9
North Carolina	67	79	67	79
South Carolina	75	87	75	87
Georgia	86	82	86	82
Florida	134	157	134	157

Reporting Area	January		Cumulative January	
	1967	1966	1967	1966
EAST SOUTH CENTRAL	159	185	159	185
Kentucky	9	11	9	11
Tennessee	24	31	24	31
Alabama	103	99	103	99
Mississippi	23	44	23	44
WEST SOUTH CENTRAL	261	240	261	240
Arkansas	11	18	11	18
Louisiana	42	55	42	55
Oklahoma	16	19	16	19
Texas	192	148	192	148
MOUNTAIN	57	39	57	39
Montana	-	3	-	3
Idaho	3	-	3	-
Wyoming	-	-	-	-
Colorado	10	7	10	7
New Mexico	17	7	17	7
Arizona	27	21	27	21
Utah	-	1	-	1
Nevada	-	-	-	-
PACIFIC	155	188	155	188
Washington	4	7	4	7
Oregon	4	2	4	2
California	144	177	144	177
Alaska	1	1	1	1
Hawaii	2	1	2	1
U. S. TOTAL	1,768	1,853	1,768	1,853
TERRITORIES	50	84	50	84
Puerto Rico	48	82	48	82
Virgin Islands	2	2	2	2

Note: Cumulative Totals include revised and delayed reports through previous months.

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

(Cumulative totals include revised and delayed reports through previous weeks)

DISEASE	6th WEEK ENDED		MEDIAN 1962 - 1966	CUMULATIVE, FIRST 6 WEEKS		
	FEBRUARY 11, 1967	FEBRUARY 12, 1966		1967	1966	MEDIAN 1962 - 1966
Aseptic meningitis	26	29	22	168	157	157
Brucellosis	2	7	7	17	24	28
Diphtheria	4	4	4	16	16	28
Encephalitis, primary:						
Arthropod-borne & unspecified	34	24	- - -	126	137	- - -
Encephalitis, post-infectious	13	12	- - -	58	76	- - -
Hepatitis, serum	31	19	1,039	208	121	5,504
Hepatitis, infectious	790	711		4,490	4,186	
Malaria	48	9	2	197	35	12
Measles (rubeola)	2,406	7,019	9,361	10,326	33,022	42,629
Meningococcal infections, total	57	85	70	345	439	337
Civilian	54	65	- - -	321	387	- - -
Military	3	20	- - -	24	52	- - -
Poliomyelitis, total	—	1	1	—	2	6
Paralytic	—	1	1	—	1	4
Rubella (German measles)	1,021	1,375	- - -	3,921	5,642	- - -
Streptococcal sore throat & scarlet fever	12,062	12,155	11,315	67,045	59,022	56,146
Tetanus	2	3	3	15	10	20
Tularemia	1	6	4	14	24	37
Typhoid fever	6	4	6	34	28	39
Typhus, tick-borne (Rky. Mt. spotted fever)	—	—	—	4	7	3
Rabies in animals	86	92	89	438	434	407

NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax	—	Rabies in man	—
Botulism	—	Rubella, Congenital Syndrome	—
Leptospirosis Md.-1	5	Trichinosis: Calif.-1, Maine-1, Mass.-1	11
Plague	—	Typhus, murine	—
Psittacosis: Mass.-1	6		

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED
FEBRUARY 11, 1967 AND FEBRUARY 12, 1966 (6th WEEK)

AREA	ASEPTIC MENINGITIS		BRUCELLOSIS	DIPHTHERIA	ENCEPHALITIS			HEPATITIS			
					Primary including unsp. cases		Post-Infectious	Serum		Infectious	
	1967	1966	1967	1967	1967	1966	1967	1967	1966	1967	1966
UNITED STATES...	26	29	2	4	34	24	13	31	19	790	711
NEW ENGLAND.....	2	-	-	-	5	3	-	2	-	34	30
Maine.....	-	-	-	-	-	-	-	-	-	-	10
New Hampshire.....	-	-	-	-	-	-	-	-	-	4	3
Vermont.....	-	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	1	-	-	-	2	1	-	1	-	21	8
Rhode Island.....	1	-	-	-	3	2	-	1	-	4	8
Connecticut.....	-	-	-	-	-	-	-	-	-	5	1
MIDDLE ATLANTIC.....	8	2	-	-	4	7	-	13	10	101	102
New York City.....	-	-	-	-	4	3	-	10	5	19	19
New York, up-State.	1	-	-	-	-	1	-	-	-	41	27
New Jersey.....	5	1	-	-	-	2	-	2	5	8	14
Pennsylvania.....	2	1	-	-	-	1	-	1	-	33	42
EAST NORTH CENTRAL...	1	1	-	1	8	4	2	1	1	164	122
Ohio.....	-	1	-	-	5	-	-	-	-	34	31
Indiana.....	1	-	-	1	1	-	-	-	-	25	14
Illinois.....	-	-	-	-	1	1	-	-	1	27	24
Michigan.....	-	-	-	-	-	3	2	1	-	54	46
Wisconsin.....	-	-	-	-	1	-	-	-	-	24	7
WEST NORTH CENTRAL...	-	1	1	-	-	1	-	1	-	54	29
Minnesota.....	-	-	-	-	-	-	-	1	-	4	9
Iowa.....	-	-	-	-	-	-	-	-	-	14	4
Missouri.....	-	1	-	-	-	1	-	-	-	26	6
North Dakota.....	-	-	-	-	-	-	-	-	-	1	1
South Dakota.....	-	-	-	-	-	-	-	-	-	-	-
Nebraska.....	-	-	1	-	-	-	-	-	-	1	-
Kansas.....	-	-	-	-	-	-	-	-	-	8	9
SOUTH ATLANTIC.....	1	4	-	-	10	3	5	2	2	86	59
Delaware.....	-	-	-	-	-	-	-	-	-	3	1
Maryland.....	1	-	-	-	-	-	1	1	-	28	16
Dist. of Columbia..	-	-	-	-	-	-	-	-	-	-	1
Virginia.....	-	-	-	-	-	-	-	-	1	17	9
West Virginia.....	-	1	-	-	-	-	-	-	-	7	6
North Carolina.....	-	-	-	-	-	3	-	-	-	7	13
South Carolina.....	-	1	-	-	-	-	-	-	-	4	1
Georgia.....	-	-	-	-	10	-	-	-	-	12	-
Florida.....	-	2	-	-	-	-	4	1	1	8	12
EAST SOUTH CENTRAL...	3	7	-	-	-	1	1	-	-	63	66
Kentucky.....	-	4	-	-	-	-	-	-	-	16	26
Tennessee.....	-	-	-	-	-	-	1	-	-	33	27
Alabama.....	3	3	-	-	-	-	-	-	-	10	4
Mississippi.....	-	-	-	-	-	1	-	-	-	4	9
WEST SOUTH CENTRAL...	2	5	1	2	1	-	4	-	-	71	63
Arkansas.....	-	-	-	-	-	-	1	-	-	5	7
Louisiana.....	-	1	-	1	1	-	-	-	-	10	6
Oklahoma.....	-	-	-	-	-	-	-	-	-	9	4
Texas.....	2	4	1	1	-	-	3	-	-	47	46
MOUNTAIN.....	-	1	-	-	-	2	-	-	1	21	50
Montana.....	-	-	-	-	-	1	-	-	-	-	3
Idaho.....	-	-	-	-	-	-	-	-	-	5	-
Wyoming.....	-	-	-	-	-	1	-	-	-	-	2
Colorado.....	-	-	-	-	-	-	-	-	1	11	15
New Mexico.....	-	-	-	-	-	-	-	-	-	3	13
Arizona.....	---	1	---	---	---	-	---	---	-	---	13
Utah.....	-	-	-	-	-	-	-	-	-	2	4
Nevada.....	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	9	8	-	1	6	3	1	12	5	196	190
Washington.....	1	-	-	-	2	-	1	1	-	23	18
Oregon.....	-	-	-	1	-	-	-	-	-	35	28
California.....	6	8	-	-	4	3	-	11	5	135	143
Alaska.....	-	-	-	-	-	-	-	-	-	2	1
Hawaii.....	2	-	-	-	-	-	-	-	-	1	-
Puerto Rico	-	-	-	-	-	-	1	-	-	8	9

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

FEBRUARY 11, 1967 AND FEBRUARY 12, 1966 (6th WEEK) - CONTINUED

AREA	MALARIA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			POLIOMYELITIS			RUBELLA
			Cumulative			Cumulative		Total	Paralytic		
	1967	1967	1967	1966	1967	1967	1966	1967	1967	Cum. 1967	1967
UNITED STATES...	48	2,406	10,326	33,022	57	345	439	-	-	-	1,021
NEW ENGLAND.....	1	33	116	459	1	10	24	-	-	-	128
Maine.....	-	3	8	48	-	1	-	-	-	-	57
New Hampshire.....	-	-	-	5	-	-	7	-	-	-	1
Vermont.....	-	3	16	136	-	-	1	-	-	-	-
Massachusetts.....	-	10	56	159	-	4	8	-	-	-	12
Rhode Island.....	1	14	20	32	-	-	2	-	-	-	4
Connecticut.....	-	3	16	79	1	5	6	-	-	-	54
MIDDLE ATLANTIC.....	5	94	419	5,131	7	50	71	-	-	-	24
New York City.....	-	10	54	2,559	-	9	14	-	-	-	9
New York, Up-State.	-	32	116	674	3	15	15	-	-	-	15
New Jersey.....	1	9	107	447	3	20	23	-	-	-	-
Pennsylvania.....	4	43	142	1,451	1	6	19	-	-	-	-
EAST NORTH CENTRAL...	-	235	996	13,087	3	34	73	-	-	-	201
Ohio.....	-	60	130	711	1	13	24	-	-	-	10
Indiana.....	-	13	127	471	1	4	7	-	-	-	19
Illinois.....	-	23	100	2,617	1	7	13	-	-	-	37
Michigan.....	-	84	267	2,130	-	8	20	-	-	-	44
Wisconsin.....	-	55	372	7,158	-	2	9	-	-	-	91
WEST NORTH CENTRAL...	1	75	359	1,311	4	18	21	-	-	-	59
Minnesota.....	-	3	16	519	2	4	5	-	-	-	3
Iowa.....	1	51	99	439	-	2	4	-	-	-	47
Missouri.....	-	4	14	81	1	5	6	-	-	-	2
North Dakota.....	-	10	128	255	-	-	-	-	-	-	7
South Dakota.....	-	-	15	2	-	3	1	-	-	-	-
Nebraska.....	-	7	87	15	1	3	2	-	-	-	-
Kansas.....	-	NN	NN	NN	-	1	3	-	-	-	-
SOUTH ATLANTIC.....	22	169	1,168	2,889	11	63	74	-	-	-	56
Delaware.....	-	-	9	41	-	2	-	-	-	-	-
Maryland.....	-	5	18	521	2	9	8	-	-	-	9
Dist. of Columbia..	-	-	4	129	-	-	-	-	-	-	-
Virginia.....	-	57	299	220	2	8	7	-	-	-	8
West Virginia.....	-	43	278	1,411	-	8	3	-	-	-	15
North Carolina.....	18	32	257	37	3	12	17	-	-	-	-
South Carolina.....	2	8	12	132	-	2	14	-	-	-	4
Georgia.....	2	-	9	34	2	10	5	-	-	-	-
Florida.....	-	24	282	364	2	12	20	-	-	-	20
EAST SOUTH CENTRAL...	2	238	1,306	4,320	8	34	29	-	-	-	77
Kentucky.....	-	12	370	1,772	2	11	15	-	-	-	3
Tennessee.....	-	132	515	2,395	4	15	10	-	-	-	13
Alabama.....	2	76	235	81	1	3	3	-	-	-	61
Mississippi.....	-	18	186	72	1	5	1	-	-	-	-
WEST SOUTH CENTRAL...	3	1,048	3,137	2,233	12	59	49	-	-	-	64
Arkansas.....	1	512*	711	24	1	1	5	-	-	-	5
Louisiana.....	2	3	22	25	5	27	9	-	-	-	-
Oklahoma.....	-	76	371	21	-	2	2	-	-	-	-
Texas.....	-	457	2,033	2,163	6	29	33	-	-	-	59
MOUNTAIN.....	-	55	656	1,410	1	9	19	-	-	-	46
Montana.....	-	14	138	255	-	-	2	-	-	-	7
Idaho.....	-	20	72	224	-	1	-	-	-	-	4
Wyoming.....	-	-	12	21	-	-	1	-	-	-	-
Colorado.....	-	8	114	149	-	3	13	-	-	-	32
New Mexico.....	-	4	100	4	-	3	1	-	-	-	-
Arizona.....	---	---	92	700	---	-	1	---	---	-	---
Utah.....	-	4	23	53	1	1	-	-	-	-	3
Nevada.....	-	5	105	4	-	1	1	-	-	-	-
PACIFIC.....	14	459	2,169	2,182	10	68	79	-	-	-	366
Washington.....	-	251	1,199	636	1	2	5	-	-	-	75
Oregon.....	-	45	286	220	1	6	3	-	-	-	21
California.....	4	149	604	1,294	8	58	61	-	-	-	244
Alaska.....	-	7	55	7	-	2	8	-	-	-	2
Hawaii.....	10	7	25	25	-	-	2	-	-	-	24
Puerto Rico.....	-	53	293	379	2	3	-	-	-	-	1

*Delayed Reporting For Last Week of January and First Week of February.

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
FEBRUARY 11, 1967 AND FEBRUARY 12, 1966 (6th WEEK) - CONTINUED

AREA	STREPTOCOCCAL SORE THROAT & SCARLET FEVER	TETANUS		TULAREMIA		TYPHOID		TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)		RABIES IN ANIMALS	
	1967	1967	Cum. 1967	1967	Cum. 1967	1967	Cum. 1967	1967	Cum. 1967	1967	Cum. 1967
UNITED STATES...	12,062	2	15	1	14	6	34	-	4	86	438
NEW ENGLAND.....	1,627	-	-	-	-	-	-	-	-	2	3
Maine.....	95	-	-	-	-	-	-	-	-	-	1
New Hampshire.....	18	-	-	-	-	-	-	-	-	1	1
Vermont.....	5	-	-	-	-	-	-	-	-	1	1
Massachusetts.....	277	-	-	-	-	-	-	-	-	-	-
Rhode Island.....	94	-	-	-	-	-	-	-	-	-	-
Connecticut.....	1,138	-	-	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC.....	469	-	1	-	-	1	6	-	-	-	9
New York City.....	18	-	-	-	-	1	4	-	-	-	-
New York, Up-State.	390	-	-	-	-	-	1	-	-	-	6
New Jersey.....	NN	-	-	-	-	-	-	-	-	-	-
Pennsylvania.....	61	-	1	-	-	-	1	-	-	-	3
EAST NORTH CENTRAL...	1,619	-	-	-	2	-	2	-	-	11	28
Ohio.....	226	-	-	-	-	-	1	-	-	5	15
Indiana.....	236	-	-	-	-	-	-	-	-	4	7
Illinois.....	237	-	-	-	2	-	-	-	-	1	4
Michigan.....	675	-	-	-	-	-	1	-	-	-	1
Wisconsin.....	245	-	-	-	-	-	-	-	-	1	1
WEST NORTH CENTRAL...	646	-	1	-	3	-	-	-	-	19	129
Minnesota.....	22	-	1	-	-	-	-	-	-	7	33
Iowa.....	337	-	-	-	-	-	-	-	-	1	14
Missouri.....	9	-	-	-	1	-	-	-	-	6	31
North Dakota.....	162	-	-	-	-	-	-	-	-	1	22
South Dakota.....	17	-	-	-	-	-	-	-	-	4	15
Nebraska.....	5	-	-	-	-	-	-	-	-	-	4
Kansas.....	94	-	-	-	2	-	-	-	-	-	10
SOUTH ATLANTIC.....	1,034	-	3	-	2	1	2	-	3	11	52
Delaware.....	8	-	-	-	-	-	-	-	-	-	-
Maryland.....	191	-	-	-	-	-	-	-	-	-	-
Dist. of Columbia..	-	-	-	-	-	-	-	-	-	-	-
Virginia.....	402	-	2	-	-	1	1	-	-	5	26
West Virginia.....	264	-	-	-	-	-	-	-	-	2	8
North Carolina.....	44	-	-	-	-	-	1	-	2	1	1
South Carolina.....	70	-	-	-	2	-	-	-	-	-	-
Georgia.....	5	-	-	-	-	-	-	-	1	2	11
Florida.....	50	-	1	-	-	-	-	-	-	1	6
EAST SOUTH CENTRAL...	1,760	-	3	-	2	-	4	-	1	20	102
Kentucky.....	126	-	-	-	-	-	-	-	-	3	25
Tennessee.....	1,411	-	3	-	2	-	1	-	1	16	74
Alabama.....	134	-	-	-	-	-	3	-	-	1	2
Mississippi.....	89	-	-	-	-	-	-	-	-	-	1
WEST SOUTH CENTRAL...	1,125	1	2	-	1	4	12	-	-	16	82
Arkansas.....	4	-	-	-	-	1	1	-	-	5	16
Louisiana.....	2	-	-	-	-	3	11	-	-	1	7
Oklahoma.....	7	-	-	-	1	-	-	-	-	3	18
Texas.....	1,112	1	2	-	-	-	-	-	-	7	41
MOUNTAIN.....	1,827	-	-	1	4	-	2	-	-	-	7
Montana.....	142	-	-	-	1	-	1	-	-	-	-
Idaho.....	189	-	-	-	-	-	-	-	-	-	-
Wyoming.....	3	-	-	-	-	-	-	-	-	-	-
Colorado.....	1,108	-	-	1	1	-	-	-	-	-	-
New Mexico.....	166	-	-	-	-	-	-	-	-	-	4
Arizona.....	---	---	-	---	-	---	1	---	-	---	3
Utah.....	205	-	-	-	2	-	-	-	-	-	-
Nevada.....	14	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	1,955	1	5	-	-	-	6	-	-	7	26
Washington.....	498	-	-	-	-	-	-	-	-	-	-
Oregon.....	92	-	-	-	-	-	-	-	-	-	-
California.....	1,299	1	4	-	-	-	6	-	-	7	26
Alaska.....	33	-	-	-	-	-	-	-	-	-	-
Hawaii.....	33	-	1	-	-	-	-	-	-	-	-
Puerto Rico.....	9	-	-	-	-	-	2	-	-	2	3

Week No. 6

DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED FEBRUARY 11, 1967

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	All Causes		Pneumonia and Influenza	Under 1 year
	All Ages	65 years and over	All Ages	All Causes
NEW ENGLAND:	759	449	37	30
Boston, Mass.	275	140	13	11
Bridgeport, Conn.	39	24	3	2
Cambridge, Mass.	38	24	-	-
Fall River, Mass.	25	16	-	2
Hartford, Conn.	49	30	4	4
Lowell, Mass.	22	15	2	-
Lynn, Mass.	27	20	1	1
New Bedford, Mass.	26	18	-	1
New Haven, Conn.	42	27	-	2
Providence, R. I.	56	29	4	5
Somerville, Mass.	12	6	-	-
Springfield, Mass.	49	34	4	1
Waterbury, Conn.	34	23	-	-
Worcester, Mass.	65	43	6	1
MIDDLE ATLANTIC:	3,358	1,998	145	143
Albany, N. Y.	61	37	2	2
Allentown, Pa.	30	19	-	1
Buffalo, N. Y.	162	108	6	4
Camden, N. J.	53	29	3	4
Elizabeth, N. J.	32	16	1	1
Erie, Pa.	48	32	4	5
Jersey City, N. J.	67	35	7	-
Newark, N. J.	85	42	5	4
New York City, N. Y.	1,614	942	58	54
Paterson, N. J.	45	28	1	5
Philadelphia, Pa.	511	314	11	26
Pittsburgh, Pa.	215	114	8	16
Reading, Pa.	61	38	7	4
Rochester, N. Y.	120	83	7	3
Schenectady, N. Y.	22	12	-	-
Scranton, Pa.	43	28	3	4
Syracuse, N. Y.	70	42	5	6
Trenton, N. J.	48	28	3	-
Utica, N. Y.	38	27	5	3
Yonkers, N. Y.	33	24	9	1
EAST NORTH CENTRAL:	2,677	1,491	83	158
Akron, Ohio	59	34	-	3
Canton, Ohio	43	20	1	5
Chicago, Ill.	786	423	32	43
Cincinnati, Ohio	149	85	5	6
Cleveland, Ohio	221	109	-	17
Columbus, Ohio	110	56	-	14
Dayton, Ohio	80	43	2	6
Detroit, Mich.	391	204	8	20
Evansville, Ind.	25	18	-	-
Flint, Mich.	64	37	3	4
Fort Wayne, Ind.	40	22	3	6
Gary, Ind.	44	19	7	6
Grand Rapids, Mich.	48	35	2	5
Indianapolis, Ind.	180	113	6	11
Madison, Wis.	42	26	-	1
Milwaukee, Wis.	132	84	4	3
Peoria, Ill.	37	26	1	-
Rockford, Ill.	27	16	3	-
South Bend, Ind.	26	19	2	3
Toledo, Ohio	101	59	3	2
Youngstown, Ohio	72	43	1	3
WEST NORTH CENTRAL:	882	530	22	53
Des Moines, Iowa	65	38	2	6
Duluth, Minn.	41	19	-	1
Kansas City, Kans*	39	20	2	5
Kansas City, Mo.	138	87	2	7
Lincoln, Nebr.	26	13	-	2
Minneapolis, Minn.	114	71	1	6
Omaha, Nebr.	98	59	1	5
St. Louis, Mo.	236	143	7	13
St. Paul, Minn.	67	44	-	5
Wichita, Kans.	58	36	7	3
SOUTH ATLANTIC:	1,111	608	45	52
Atlanta, Ga.	134	61	5	10
Baltimore, Md.	172	93	7	8
Charlotte, N. C.	53	25	4	2
Jacksonville, Fla.	59	33	2	2
Miami, Fla.	112	64	1	6
Norfolk, Va.	63	35	4	2
Richmond, Va.	83	52	1	3
Savannah, Ga.	38	17	-	3
St. Petersburg, Fla.	74	63	6	-
Tampa, Fla.	72	46	5	2
Washington, D. C.	202	94	9	11
Wilmington, Del.	49	25	1	3
EAST SOUTH CENTRAL:	607	333	27	36
Birmingham, Ala.	111	61	1	5
Chattanooga, Tenn.	50	24	3	1
Knoxville, Tenn.	34	16	-	4
Louisville, Ky.	108	70	13	5
Memphis, Tenn.	122	58	5	10
Mobile, Ala.	42	20	1	3
Montgomery, Ala.	47	29	2	5
Nashville, Tenn.	93	55	2	3
WEST SOUTH CENTRAL:	1,267	677	40	95
Austin, Tex.	48	31	3	1
Baton Rouge, La.	32	15	-	-
Corpus Christi, Tex.	30	20	-	4
Dallas, Tex.	126	66	-	10
El Paso, Tex.	53	24	3	8
Fort Worth, Tex.	91	49	3	3
Houston, Tex.	201	99	8	19
Little Rock, Ark.	84	42	2	11
New Orleans, La.	203	108	6	8
Oklahoma City, Okla.	132	63	3	17
San Antonio, Tex.	120	79	4	7
Shreveport, La.	70	40	5	4
Tulsa, Okla.	77	41	3	3
MOUNTAIN:	426	240	21	32
Albuquerque, N. Mex.	56	30	5	6
Colorado Springs, Colo.	13	10	-	-
Denver, Colo.	108	60	6	14
Ogden, Utah	18	11	1	-
Phoenix, Ariz.	96	51	7	5
Pueblo, Colo.	22	13	1	-
Salt Lake City, Utah	58	34	1	3
Tucson, Ariz.	55	31	-	4
PACIFIC:	1,692	1,059	49	72
Berkeley, Calif.	22	13	-	1
Fresno, Calif.	43	22	-	2
Glendale, Calif.	33	28	2	-
Honolulu, Hawaii	50	26	2	2
Long Beach, Calif.	67	44	3	7
Los Angeles, Calif.	533	342	15	19
Oakland, Calif.	72	41	2	2
Pasadena, Calif.	36	25	1	1
Portland, Oreg.	140	81	2	11
Sacramento, Calif.	65	38	2	3
San Diego, Calif.	98	61	4	5
San Francisco, Calif.	193	111	4	6
San Jose, Calif.	48	36	1	1
Seattle, Wash.	188	124	9	6
Spokane, Wash.	55	37	-	2
Tacoma, Wash.	49	30	2	4
Total	12,779	7,385	469	671

*Estimate - based on average percent of divisional total.

Cumulative Totals
including reported corrections for previous weeks

All Causes, All Ages	79,744
All Causes, Age 65 and over	45,963
Pneumonia and Influenza, All Ages	3,258
All Causes, Under 1 Year of Age	4,101

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EPIDEMIOLOGIC NOTES AND REPORTS

HEPATITIS ON ZUNI INDIAN RESERVATION

New Mexico — *(Continued from page 46)*

Cases among older children tended to occur early in the epidemic while cases among younger children had later onsets. Of 21 cases occurring on or before October 2, only 4 (19 percent) were in children from 0 to 4 years of age, while among the 30 cases occurring after October 2, 18 (60 percent) were in children between 0 and 4 years of age.

Thirty of the 51 cases were in children attending school, most of whom were in the lower grades, and 17 of the cases were in preschool children. However, there was no particular concentration in any elementary school and no particular aggregation of ill children in certain classrooms. Furthermore, those patients having histories of contact with a prior case had that contact away from school.

The occurrence of cases over an interval of nearly 4 months, together with the predominance of cases among children, suggests that the mode of transmission was person-to-person. The clustering of cases in children 7 years of age and younger appears to represent new susceptibles introduced into the community since 1960-61, the last epidemic year at this Reservation.

During the course of the epidemic, gamma globulin was administered to household contacts of each patient and to other children in the same classroom as the patient. More than 70 percent of the younger school children received globulin while only about 5 percent of the preschool group received it. It was observed that, as an increasing level of passive immunization among the older group was achieved, the proportion of cases among preschool children increased. Subsequently, the overall incidence declined. Thus, the administration of immune globulin chiefly among one segment of the susceptible population appears to have been important in limiting the epidemic.

(Reported by Dr. E.F. McIntyre, Assistant, Indian Health Area Director, Albuquerque Field Office, Division of Indian Health, Bureau of Medical Services, PHS; Dr. Richard W. Sauerman, Service Unit Director, USPHS Indian Hospital, Gallup, New Mexico; Dr. Thomas H. Tomlinson Jr., Associate Director, Human Factors, New Mexico Department of Public Health; and a team from CDC.)

ERRATUM: Vol. 16, No. 4, p. 25:

Virginia, not West Virginia, reported 133 measles cases (including delayed reports) for the week ending January 28, 1967.

THE MORBIDITY AND MORTALITY WEEKLY REPORT, WITH A CIRCULATION OF 17,000, IS PUBLISHED AT THE NATIONAL COMMUNICABLE DISEASE CENTER, ATLANTA, GEORGIA.

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IN ADDITION TO THE ESTABLISHED PROCEDURES FOR REPORTING MORBIDITY AND MORTALITY, THE NATIONAL COMMUNICABLE DISEASE CENTER WELCOMES ACCOUNTS OF INTERESTING OUTBREAKS OR CASE INVESTIGATIONS WHICH ARE OF CURRENT INTEREST TO HEALTH OFFICIALS AND WHICH ARE DIRECTLY RELATED TO THE CONTROL OF COMMUNICABLE DISEASES. SUCH COMMUNICATIONS SHOULD BE ADDRESSED TO:

THE EDITOR
MORBIDITY AND MORTALITY WEEKLY REPORT
NATIONAL COMMUNICABLE DISEASE CENTER
ATLANTA, GEORGIA 30333

NOTE: THE DATA IN THIS REPORT ARE PROVISIONAL AND ARE BASED ON WEEKLY TELEGRAMS TO THE NCDC BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS. THE REPORTING WEEK CONCLUDES ON SATURDAY; COMPILED DATA ON A NATIONAL BASIS ARE RELEASED ON THE SUCCEEDING FRIDAY.

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